

No. 209.

The 20th October 1874.

The two months' privilege leave granted to Venkatnarnaiengar, Amildar of the Chiknayakanhalli Taluk, and the subsidiary arrangements thereon, sanctioned in Notification No. 205, dated 9th October 1874, are hereby cancelled.

No. 210.

The 21st October 1874.

Mr. Cunningham, Assistant Commissioner, Shimoga, availed himself of the one month's privilege leave granted to him, in Notification No. 202, dated 9th October 1874, on the 14th October 1874.

No. 211.

The 22nd October 1874.

Hanumant Rao, Peshkar of the Kolar Taluk, acted as 5th Grade Amildar and 3rd Class Magistrate of the Kolar Taluk, from the 18th July to the 1st October 1874.

No. 212.

The 22nd October 1874.

The following Extract from the Proceedings of the Bombay Government is published for the purpose stated in the 1st para of the Resolution of that Government.

"By Order,"

H. WELLESLEY,
Offg. Secretary.

Extract from the Proceedings of the Government of Bombay in the Revenue Department, No. 5330, dated 7th October 1874.

READ the following papers:—

Letter from Colonel H. W. Holland, Commissary General, To the Secretary to Government, in the Military Department, No. 78—3789, dated 28th August 1874.

I have the honor to forward for the information of His Excellency the Governor in Council, and for such action as may be deemed necessary, letters from the Superintendent, Government Cattle Farm, Allgaum, Nos. 78—285 and 78—287, dated 18th and 21st instant, (with accompaniment,) on a parasite which annually attacks so many sheep all over the country.

2. A phial containing a few of the parasites has been sent by post.

Letter from Lieut.-Colonel J. F. Berthon, Superintendent, Government Cattle Farm, To the Commissary General of the Army, Poona, No. 78—285, A, dated 18th August 1874.

I have the honor to forward a report from Inspecting Veterinary Surgeon F. F. Collins, concerning the parasite which annually causes so many deaths among the Government sheep, and indeed among flocks all over the country.

2. I am greatly indebted to Mr. Collins for the trouble he has taken in investigating this subject, for, up to the present time, I have been totally at a loss to account for so many very sudden deaths among the sheep, although I had personally made hundreds of post mortem examinations, and also forwarded many carcasses to Poona the last two or three years for the same purpose.

3. This most serious disease affects the sheep more or less all the year round, perhaps more severely in the rainy season, when grass is abundant. The first symptom is a distressing discharge at the nostrils which becomes more and more glutinous, until the sheep very often breathes with the greatest difficulty. The grubs are then supposed to have arrived at maturity, and drop out on the earth, forming a chrysalis. If not, the sheep dies. At present, at least eighty per cent of all sheep are afflicted with the disorder, and I believe that about fifty per cent are never free from it.

4. Mr. Collins recommends tar fumigations, but I fear great difficulty will be experienced in operating upon the large quantities of animals attacked; besides the greatest care is required in order that the sheep are not smothered during the process of fumigation. At the same time any antidote easy of appliance that may be discovered for the destruction of the parasite without injuring the animals, will prove the greatest boon to the country.

5. I beg to forward specimens of grubs which have been extracted from the head of a sheep which had died suddenly. I have seen more than 50 similar to these, many of them larger, taken out of the head of a single sheep.

6. I attribute my not having made the discovery before to the almost inaccessible positions in which the grubs have been found, i.e., in the sinuses of the head, whereas my examinations were confined to the internal organs and brains.

Letter from F. E. Collins, Esq., Officiating Inspecting Veterinary Surgeon, To Colonel Berthon, Superintendent, Government Cattle Farm, No. 797, dated 14th August 1874.

In reply to your letter No. 78—272 of the 12th instant, relative to the disease which so largely affects the sheep of this neighbourhood, and which is producing so great a mortality among them, I have the honor to state that it arises from the larva of a fly which penetrates the sinuses of the head, and there become fully developed, setting up a copious discharge from the nostrils, and disease of the mucous membrane lining the passages and ultimately interfering with the blood through the thin cribriform plate of the "Ethmoid" bone, and through which the olfactory nerve passes out.

The fly I believe to be the *Cebus Oris*, but I am about sending home the parasite, together with others, for identification, to the lecturer on parasitic life at the Royal Veterinary College, and will furnish you with the issue.

The ovum of the fly is deposited on the grass, and becomes attached to the nostrils of the sheep whilst grazing.

At home we generally find tar fumigations sufficient to remove the parasite, and the two sheep you so kindly forwarded to the school for treatment, have nearly recovered after three days only of such treatment. The discharge has now almost subsided, and liveliness and apparent health have supplanted dejection and disease.

P. S.—I forward you some of the grubs in spirits. You will perceive that they are now only half of their original size.

Letter from Lieutenant-Colonel J. F. Berthon, Superintendent, Government Cattle Farm, To the Commissary General of the Army, No. 78—287, A, dated 21st August 1874.

With reference to your memorandum No. 78—3560 of the 18th instant, I have the honor to forward another bottle of grubs which I extracted from the head of two sheep, in good condition, forming part of those killed for rats last evening.

2. It will be perceived that the generality of these are not so fully developed as those sent last to you. There were many more of the same sort destroyed during dissection, as I only had rude instruments to work with.

3. Secreted in different places in one head, I found upwards of a dozen large brown grubs dead, fully double the size of any that have yet been discovered; some few small white ones were however alive in many of the sinuses. The question is whether these parasites had not run their course from egg to chrysalis in the sinuses from which they were dissected, for they were so firmly imbedded as to almost preclude the idea that they could be naturally eliminated.

4. The above mentioned grubs have been preserved in spirits and handed over to Mr. Collins, with a request that he will kindly favor me with a further opinion on the subject.

5. Another bottle of these grubs will be forwarded to you in a day or two, as requested.

161
 READ also the following Resolution of Government in the Military Department, No. 3441, dated 16th September 1874.

RESOLUTION.—Copies of these papers may be sent to the Revenue Department, for the information of District Officers, who may possibly have opportunities of gaining further information regarding the extent to which death amongst sheep is caused by parasites, and the measures adopted by native breeders for checking the mortality.

402 "
 RESOLUTION.—These papers should be printed and copies forwarded to all District Officers, with a view to enquiry being made whether any cure for this parasite is known. Copies may also be sent to the Government of India for information.

2. The Oriental Translator should be requested to cause Mahratti translations of the substance of them to be made, with a view to their circulation in the Districts.

MILITARY.

NOTIFICATIONS.

No. 213.

The 22nd October 1874.

Captain J. P. Garrett is permitted at his own request to resign his Commission in the Bangalore Rifle Volunteers.

No. 214.

The 22nd October 1874.

Ensign Pope, Bangalore Rifle Volunteers, is granted four months' leave in India, from such date as he may avail himself of it.

"By Order,"

H. WELLESLEY,
Offg. Secretary.

PUBLIC WORKS.

NOTIFICATIONS.

No. 54.

The 26th September 1874.

It is hereby declared under the provisions of Section 6 of Act X of 1870, that the under-described land situated in the village of Wakodi in the Tūmkūr Taluk of the Tūmkūr District in the Province of Mysore, is required for public purposes, *viz.*, for use as a quarry by the Public Works Department.

Revenue Survey No.—Dry 80—*Area in part*—Square yards 2280—*Name of Patta-holder*—Ramaiya—*Remarks*—Survey plans can be seen in the Tūmkūr Taluk Cutcherry.

"By Order,"

R. H. SANKEY, *Lieut.-Col., R. E.,*
Secretary, P. W. D.